

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5382-04

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Hopper Scale
Load Cell Electronic
Model: 700
 n_{\max} : 700
 e_{\min} : .01 lb
Capacity: 7 lb

Accuracy Class: III

Submitted by:

Wilderness Technology, Inc.
22169 Lassen View Dr.
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Standard Features and Options

Primary weight indications and motion detection are provided by an approved and compatible weight indicator.

Hopper dimensions: 8" high by 5" diameter
Hopper construction: Mild steel

Load cell type: (1) Rice Lake Model RL1040 7kg (Certificate of Conformance Number 95-074) or NTEP certified equivalent.

Temperature Range: 0 °C to 40 °C (32 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: April 14, 2004



Mike Cleary, Director

Wilderness Technology, Inc.
Hopper Scale
Model: 700

Application: Hopper scale designed to weigh additives for asphalt batch plant applications.

Identification: A stainless steel data plate is riveted to the load cell support bracket.

Sealing: There are no adjustable components that require the use of a security seal. Sealing for the calibration and configuration parameters is provided by the certified and compatible indicating element.

Operation: The hopper scale is suspended with a steel cable from a single load cell which is attached to the load cell support bracket with two bolts. A solenoid valve is threaded onto the bottom cone of the hopper and is connected to a certified and compatible batching system for proper release of product.

Test Conditions: The Model 700 weighing element was submitted for evaluation interfaced with a Newport Electronics Model INFW-0010-DC1/E (Certificate of Conformance Number 92-152) indicator. The emphasis of the evaluation was on device design, marking requirements, and performance of the weighing element. Due to its small size, the scale was tested in the lab. Environmental tests were performed from 0 °C to 40 °C (32 °F to 104 °F). Several increasing/decreasing load, discrimination, and return to zero tests were initially performed and then repeated after approximately 30 days and a minimum of 300 simulated normal use weighments.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2004 Edition

Tested By: Ken Jones (CA)

